

**ABSTRACT**

A service logic execution environment (SLEE) for telecommunications services. The SLEE can include a class loader for loading service components in the SLEE, and an event routing bus for receiving events from the protocol layer and other service components. The SLEE can register each loaded service component to receive events directed to particular registered service components. Subsequently, the event routing bus can route received events to the particular registered service components executing in the SLEE. The event routing bus can be further configured to receive events from application components which are external to the SLEE and the protocol layer. The SLEE also can include a thread pool; and, a thread pool management component for allocating threads in the thread pool for use by the loaded service components.